

Title (en)

Heating of liquids.

Title (de)

Aufheizen von Flüssigkeiten.

Title (fr)

Chauffage de liquides.

Publication

EP 0119807 A2 19840926 (EN)

Application

EP 84301650 A 19840312

Priority

US 47439083 A 19830311

Abstract (en)

Apparatus and method for heating electrically insulating liquids, e.g. diesel fuel, by means of a conductive polymer heater which does not have an insulating jacket, so that there is direct physical contact between the liquid and electrically conductive parts of the heater. This results in improved heat transfer to the liquid.

IPC 1-7

H05B 3/14; F02M 31/12; F24H 1/10

IPC 8 full level

F02M 31/125 (2006.01); **F24H 1/10** (2006.01); **H05B 3/14** (2006.01); F02B 3/06 (2006.01)

CPC (source: EP US)

B01D 35/18 (2013.01 - EP); **F02M 31/125** (2013.01 - EP US); **F24H 1/103** (2013.01 - EP US); **H05B 3/146** (2013.01 - EP US); F02B 3/06 (2013.01 - EP US); Y02T 10/12 (2013.01 - EP US)

Cited by

EP0189667A1; EP0340384A3; FR2598749A1; EP0388990A2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0119807 A2 19840926; **EP 0119807 A3 19850515**; CA 1226026 A 19870825; US 4529866 A 19850716

DOCDB simple family (application)

EP 84301650 A 19840312; CA 449312 A 19840309; US 47439083 A 19830311